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Atty. Dkt. No. 039153-0448 (G1153)

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lukanc et al.

Title: METHOD OF ENHANCING CLEAR
FIELD PHASE SHIFT MASKS
WITH CHROME BORDER
AROUND PHASE 180 REGIONS

Appl. No.: 10/016,710

Filing Date: 12/11/2001

Examiner: Unknown

Art Unit: Unknown

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<p>CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below.</p> <p><u>Sandra A. Murphy</u> (Printed Name)</p> <p><u>Sandra A. Murphy</u> (Signature)</p> <p><u>May 24, 2002</u> (Date of Deposit)</p>
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

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Technology Center 2600

Sir:

Pursuant to 37 C.F.R. §§ 1.97-98 and in accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicant submits herewith the references listed on the attached Form PTO/SB/08 to the Examiner such that they may be considered and made of record in the above-identified application. A copy of each reference is enclosed.

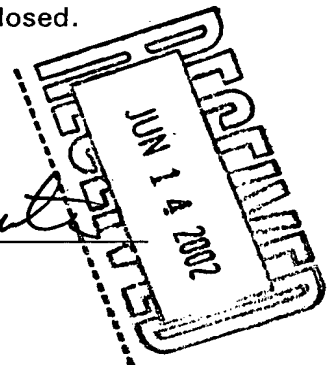
Respectfully submitted,

Date May 24, 2002

By

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/016,710
Date Submitted: May 24, 2002		Filing Date	12/11/2001
(use as many sheets as necessary)		First Named Inventor	Todd P. Lukanc
Sheet 1 of 1		Group Art Unit	Unknown
PATENT & TRADEMARK OFFICE		Examiner Name	Unknown
JUN 05 2002		Attorney Docket Number	039153-0448 (G1153)

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,228,539 B1		Wang et al.	05-08-2001	
	A2	5,858,580		Wang et al.	01-12-1999	
	A3	5,807,649		Liebmann et al.	09-15-1998	
	A4	5,573,890		Spence	11-12-1996	

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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A5	Levenson et al., "Improving Resolution in Photolithography with a Phase-Shifting Mask," IEEE Transactions on Electron Devices, Vol. ED-29, No. 12, December 1982, pp. 1828-1836.	
	A6	Lin, B.J., "Phase-Shifting Masks Gain an Edge," Circuits & Devices, March 1993, pp. 28-35.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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